

ACCESSION NUMBER: 0135

DOCUMENT TYPE: EH

TITLE: Human Radiation Studies: Remembering The Early Years - Oral History of Radiologist Henry I. Kohn, M.D., Ph.D.

ORIG. DOC. NO.: DOEEH0471

DOCUMENT DATE: 940913

ORIGINATING AGENCY: Department of Energy

PAGES: 0022

REEL: **FRAME:**

AUTHORS: Department of Energy Office of Human Radiation Experiments

ABSTRACT: In September 1994, the Office of Human Radiation Experiments, in collaboration with Lawrence Berkeley Laboratory, began an oral history project to fulfill the goal of supplementing the documentary record. The project involved interviewing researchers and others with firsthand knowledge of either the human radiation experimentation that occurred during the Cold War or the institutional context in which such experimentation took place. The purpose of this project was to enrich the documentary record, provide missing information, and allow the researchers an opportunity to provide their perspective. Thirty-two audiotaped interviews were conducted from September 1994 through January 1995. Interviewees were permitted to review the transcripts of their oral histories. Their comments were incorporated into the final version of the transcript if those comments supplemented, clarified, or corrected the contents of the interviews.

KEYWORDS: HUMAN RADIATION EXPERIMENTATION, RADIOLOGY, RADIATION THERAPY, ANIMAL TESTING, GENETIC EXPERIMENTS

CROSSINDEX:

PROVENANCE:

LOCATIONS: Oak Ridge National Laboratory, Oak Ridge, TN; University of California, San Francisco, CA; Harvard Medical School, Cambridge, MA

ACCESSION NUMBER: 0136

DOCUMENT TYPE: EH

TITLE: Human Radiation Studies: Remembering The Early Years - Oral History of John W. Healy

ORIG. DOC. NO.: DOEEH0455

DOCUMENT DATE: 941128

ORIGINATING AGENCY: Department of Energy

PAGES: 0016

REEL: **FRAME:**

AUTHORS: Department of Energy Office of Human Radiation Experiments

ABSTRACT: In September 1994, the Office of Human Radiation Experiments, in collaboration with Lawrence Berkeley Laboratory, began an oral history project to fulfill the goal of supplementing the documentary record. The project involved interviewing researchers and others with firsthand knowledge of either the human radiation experimentation that occurred during the Cold War or the institutional context in which such experimentation took place. The purpose of this project was to enrich the documentary record, provide missing information, and allow the researchers an opportunity to provide their perspective. Thirty-two audiotaped interviews were conducted from September 1994 through January 1995. Interviewees were

permitted to review the transcripts of their oral histories. Their comments were incorporated into the final version of the transcript if those comments supplemented, clarified, or corrected the contents of the interviews.

KEYWORDS: HUMAN RADIATION EXPERIMENTATION, ENVIRONMENTAL MONITORING, EFFECTS, OPERATION GREEN RUN, CALIBRATION, HEALTH RISKS, ANIMAL EXPOSURE, RELEASE HAZARDS, ACCIDENTAL RUTHENIUM RELEASE, RADIOIODINE

CROSSINDEX:

PROVENANCE:

LOCATIONS: Hanford Site, Richland, WA

ACCESSION NUMBER: 0137

DOCUMENT TYPE: EH

TITLE: Human Radiation Studies: Remembering The Early Years - Oral History of Dr. John W. Gofman, M.D., Ph.D.

ORIG. DOC. NO.: DOEEH0457

DOCUMENT DATE: 941220

ORIGINATING AGENCY: Department of Energy

PAGES: 0079

REEL: **FRAME:**

AUTHORS: Department of Energy Office of Human Radiation Experiments

ABSTRACT: In September 1994, the Office of Human Radiation Experiments, in collaboration with Lawrence Berkeley Laboratory, began an oral history project to fulfill the goal of supplementing the documentary record. The project involved interviewing researchers and others with firsthand knowledge of either the human radiation experimentation that occurred during the Cold War or the institutional context in which such experimentation took place. The purpose of this project was to enrich the documentary record, provide missing information, and allow the researchers an opportunity to provide their perspective. Thirty-two audiotaped interviews were conducted from September 1994 through January 1995. Interviewees were permitted to review the transcripts of their oral histories. Their comments were incorporated into the final version of the transcript if those comments supplemented, clarified, or corrected the contents of the interviews.

KEYWORDS: HUMAN RADIATION EXPERIMENTATION, ETHICS, BIOMEDICS, DISCOVERY OF URANIUM-233, PLUTONIUM ISOLATION, RADIATION EXPOSURE EFFECTS

CROSSINDEX:

PROVENANCE:

LOCATIONS: University of California, Berkeley, CA; Lawrence Livermore Radiation Laboratory, Livermore, CA

ACCESSION NUMBER: 0138

DOCUMENT TYPE: EH

TITLE: Human Radiation Studies: Remembering The Early Years - Oral History of Dr. Nadine Foreman, M.D.

ORIG. DOC. NO.: DOEEH0465

DOCUMENT DATE: 940819

ORIGINATING AGENCY: Department of Energy

PAGES: 0017

REEL: FRAME:

AUTHORS: Department of Energy Office of Human Radiation Experiments

ABSTRACT: In September 1994, the Office of Human Radiation Experiments, in collaboration with Lawrence Berkeley Laboratory, began an oral history project to fulfill the goal of supplementing the documentary record. The project involved interviewing researchers and others with firsthand knowledge of either the human radiation experimentation that occurred during the Cold War or the institutional context in which such experimentation took place. The purpose of this project was to enrich the documentary record, provide missing information, and allow the researchers an opportunity to provide their perspective. Thirty-two audiotaped interviews were conducted from September 1994 through January 1995. Interviewees were permitted to review the transcripts of their oral histories. Their comments were incorporated into the final version of the transcript if those comments supplemented, clarified, or corrected the contents of the interviews.

KEYWORDS: HUMAN RADIATION EXPERIMENTATION, RADIOIODINE TREATMENT, HYPERTHYROIDISM, POLYCYTHEMIA VERA, ATOMIC ENERGY COMMISSION, RADIOPHOSPHORUS

CROSSINDEX:

PROVENANCE:

LOCATIONS: University of California, San Francisco, CA

ACCESSION NUMBER: 0139

DOCUMENT TYPE: EH

TITLE: Human Radiation Studies: Remembering The Early Years - Oral History of Merrill Eisenbud

ORIG. DOC. NO.: DOEEH0456

DOCUMENT DATE: 950126

ORIGINATING AGENCY: Department of Energy

PAGES: 0039

REEL: FRAME:

AUTHORS: Department of Energy Office of Human Radiation Experiments

ABSTRACT: In September 1994, the Office of Human Radiation Experiments, in collaboration with Lawrence Berkeley Laboratory, began an oral history project to fulfill the goal of supplementing the documentary record. The project involved interviewing researchers and others with firsthand knowledge of either the human radiation experimentation that occurred during the Cold War or the institutional context in which such experimentation took place. The purpose of this project was to enrich the documentary record, provide missing information, and allow the researchers an opportunity to provide their perspective. Thirty-two audiotaped interviews were conducted from September 1994 through January 1995. Interviewees were permitted to review the transcripts of their oral histories. Their comments were incorporated into the final version of the transcript if those comments supplemented, clarified, or corrected the contents of the interviews.

KEYWORDS: HUMAN RADIATION EXPERIMENTATION, ENVIRONMENTAL RADIOACTIVITY, FALLOUT, THYROID RADIATION, URANIUM EXPOSURE, ATOMIC ENERGY COMMISSION, SAFEGUARDS, CANCER, CHILDREN IN

RESEARCH, HEALTH RISKS

CROSSINDEX:

PROVENANCE:

LOCATIONS: Atomic Energy Commission Health & Safety Laboratory; New York Operations Office, NY

ACCESSION NUMBER: 0140

DOCUMENT TYPE: EH

TITLE: Human Radiation Studies: Remembering The Early Years - Oral History of Dr. Patricia Wallace Durbin, Ph.D.

ORIG. DOC. NO.: DOEEH0458

DOCUMENT DATE: 941111

ORIGINATING AGENCY: Department of Energy

PAGES: 0055

REEL: **FRAME:**

AUTHORS: Department of Energy Office of Human Radiation Experiments

ABSTRACT: In September 1994, the Office of Human Radiation Experiments, in collaboration with Lawrence Berkeley Laboratory, began an oral history project to fulfill the goal of supplementing the documentary record. The project involved interviewing researchers and others with firsthand knowledge of either the human radiation experimentation that occurred during the Cold War or the institutional context in which such experimentation took place. The purpose of this project was to enrich the documentary record, provide missing information, and allow the researchers an opportunity to provide their perspective. Thirty-two audiotaped interviews were conducted from September 1994 through January 1995. Interviewees were permitted to review the transcripts of their oral histories. Their comments were incorporated into the final version of the transcript if those comments supplemented, clarified, or corrected the contents of the interviews.

KEYWORDS: HUMAN RADIATION EXPERIMENTATION, ETHICS, PLUTONIUM INJECTIONS, ANIMAL TESTING, STRONTIUM, AMERICIUM, CALCIUM, FALLOUT, STRONTIUM METABOLISM IN INFANTS

CROSSINDEX:

PROVENANCE:

LOCATIONS: Lawrence Berkeley National Laboratory, Berkeley, CA

ACCESSION NUMBER: 0141

DOCUMENT TYPE: EH

TITLE: Human Radiation Studies: Remembering The Early Years - Oral History of Biochemist Waldo E. Cohn, Ph.D.

ORIG. DOC. NO.: DOEEH0464

DOCUMENT DATE: 950118

ORIGINATING AGENCY: Department of Energy

PAGES: 0035

REEL: **FRAME:**

AUTHORS: Department of Energy Office of Human Radiation Experiments

ABSTRACT: In September 1994, the Office of Human Radiation Experiments, in collaboration with Lawrence Berkeley Laboratory, began an oral history project to fulfill the goal of

supplementing the documentary record. The project involved interviewing researchers and others with firsthand knowledge of either the human radiation experimentation that occurred during the Cold War or the institutional context in which such experimentation took place. The purpose of this project was to enrich the documentary record, provide missing information, and allow the researchers an opportunity to provide their perspective. Thirty-two audiotaped interviews were conducted from September 1994 through January 1995. Interviewees were permitted to review the transcripts of their oral histories. Their comments were incorporated into the final version of the transcript if those comments supplemented, clarified, or corrected the contents of the interviews.

KEYWORDS: HUMAN RADIATION EXPERIMENTATION, RADIOTOXICITY, FISSION PRODUCTS, ISOTOPE PRODUCTION, DISTRIBUTION, MANHATTAN PROJECT, INFORMED CONSENT, NUCLEIC ACIDS, PREGNANT WOMEN, RADIOACTIVE IRON, PUBLIC OPINION

CROSSINDEX:

PROVENANCE:

LOCATIONS: Oak Ridge National Laboratory, Oak Ridge, TN; University of Chicago Metallurgical Laboratory, Chicago, IL

ACCESSION NUMBER: 0142

DOCUMENT TYPE: EH

TITLE: Human Radiation Studies: Remembering The Early Years - Oral History of Physicist William J. Bair, Ph.D.

ORIG. DOC. NO.: DOEEH0463

DOCUMENT DATE: 941014

ORIGINATING AGENCY: Department of Energy

PAGES: 0039

REEL: **FRAME:**

AUTHORS: Department of Energy Office of Human Radiation Experiments

ABSTRACT: In September 1994, the Office of Human Radiation Experiments, in collaboration with Lawrence Berkeley Laboratory, began an oral history project to fulfill the goal of supplementing the documentary record. The project involved interviewing researchers and others with firsthand knowledge of either the human radiation experimentation that occurred during the Cold War or the institutional context in which such experimentation took place. The purpose of this project was to enrich the documentary record, provide missing information, and allow the researchers an opportunity to provide their perspective. Thirty-two audiotaped interviews were conducted from September 1994 through January 1995. Interviewees were permitted to review the transcripts of their oral histories. Their comments were incorporated into the final version of the transcript if those comments supplemented, clarified, or corrected the contents of the interviews.

KEYWORDS: HUMAN RADIATION EXPERIMENTATION, RADIONUCLIDE INHALATION, ANIMAL TESTING, PLUTONIUM EFFECTS, INJECTIONS, NUCLEAR PROPELLED AIRCRAFT, ROCKETS, WORKER EXPOSURE, CANCER

CROSSINDEX:

PROVENANCE:

LOCATIONS: Hanford Site, Richland, WA; Nevada Test Site, Nye County, NV; Marshall Islands

ACCESSION NUMBER: 0143

DOCUMENT TYPE: RT

TITLE: Report on Audit of Internal Controls Over Special Nuclear Materials

ORIG. DOC. NO.: DOEIG0388

DOCUMENT DATE: 960400

ORIGINATING AGENCY: Department of Energy

PAGES: 0040

REEL: **FRAME:**

AUTHORS: Department of Energy Office of Inspector General

ABSTRACT: The Office of Inspector General audited internal controls over special nuclear materials at the Hanford Site, Rocky Flats Environmental Technology Site, Los Alamos National Laboratory, Oak Ridge Y-12 Plant, Pantex Plant, Idaho National Engineering Laboratory, and Argonne-West National Laboratory. The objective of the audit was to determine the adequacy of internal controls over special nuclear materials. The audit disclosed that management at three sites had not performed all required physical inventories, and one site did not perform measurements, due to safety concerns and operational interruptions. The audit did not disclose that any special nuclear materials were missing. However, the longer complete physical inventories are delayed, the greater the risk that unauthorized movement of special nuclear materials could occur and go undetected.

KEYWORDS: SPECIAL NUCLEAR MATERIALS, CONTROLS, AUDIT

CROSSINDEX:

PROVENANCE:

LOCATIONS: Hanford Site, Richland, WA; Rocky Flats Environmental Technology Site, Jefferson County, CO; Los Alamos National Laboratory, Los Alamos, NM; Oak Ridge Y-12 Plant, Oak Ridge, TN; Pantex Plant, Amarillo, TX; Idaho National Engineering Laboratory, Idaho Falls, ID; Argonne National Laboratory-West, Idaho Falls, ID

ACCESSION NUMBER: 0144

DOCUMENT TYPE: RT

TITLE: Report on Audit of Bonneville Power Administration's Management of Information Resources

ORIG. DOC. NO.: WRB9606

DOCUMENT DATE: 960400

ORIGINATING AGENCY: Department of Energy

PAGES: 0018

REEL: **FRAME:**

AUTHORS: Department of Energy Office of Inspector General

ABSTRACT: Bonneville Power Administration's (Bonneville) information resources include computer-related equipment, spare parts, and computer software. The objective of this audit was to determine whether Bonneville acquired and accounted for computer-related equipment properly. We found positive aspects in Bonneville's management of computer-related equipment. However, improvements could be made in implementing credit card and property procedures. Specifically, we found that improvements were needed to 1) control credit card purchases, 2) ensure that equipment was tagged and included in property records, 3) maintain accountability over spare parts, and 4) identify unused equipment. As a result, about \$90,000 of

equipment was bought by personnel whose authority to purchase was no properly documented, and about \$182,000 of purchases lacked supporting invoices. In addition, one maintenance support group had over \$109,000 of spare parts shortages. Furthermore, Bonneville could have saved about \$803,000 had unused equipment been redistributed within Bonneville or to other Federal and state agencies. Management concurred with the recommendations to improve internal controls.

KEYWORDS: AUDIT, BONNEVILLE POWER ADMINISTRATION, CONTROLS

CROSSINDEX:

PROVENANCE:

LOCATIONS: Bonneville Power Administration

ACCESSION NUMBER: 0144a

DOCUMENT TYPE: RT

TITLE: Report on Audit of Health Benefit Costs at the Department's Management and Operating Contractors

ORIG. DOC. NO.: DOEIG0350

DOCUMENT DATE: 940600

ORIGINATING AGENCY: Department of Energy

PAGES: 0020

REEL: **FRAME:**

AUTHORS: Department of Energy Office of Inspector General

ABSTRACT: The Department of Energy (Department) spent about \$600 million in Fiscal Year 1991 on its Management and Operating contractors' employee health benefit programs. These contractors are generally reimbursed for all costs incurred in operating the Department's various facilities, including employer-sponsored health benefit programs. Because of the significant amount of funds used in support of these health benefit plans, and increased national interest in this area, we conducted an audit to determine whether the Department's share of costs for contractor employee health benefis was reasonable.

KEYWORDS: HEALTH BENEFITS, DEPARTMENT OF ENERGY, CONTRACTORS

CROSSINDEX:

PROVENANCE:

LOCATIONS: Rocky Flats Environmental Technology Site, Jefferson County, CO;
Hanford Site, Richland, WA

ACCESSION NUMBER: 0145

DOCUMENT TYPE: SU

TITLE: Epidemiological Surveillance - Annual Summaries for 1992

ORIG. DOC. NO.:

DOCUMENT DATE: 920000

ORIGINATING AGENCY: Epidemiologic Surveillance Data Center

PAGES: 0063

REEL: **FRAME:**

AUTHORS: Epidemiologic Surveillance Data Center of the University of Washington and the Fred Hutchinson Cancer Research Center, Department of Energy Office of Epidemiology and Health Surveillance

ABSTRACT: Summary reports for the Savannah River Site, the Hanford Site, and Brookhaven

National Laboratory. In these annual reports, the 1992 morbidity data for the Westinghouse Savannah River Company and the Hanford Environmental Health Foundation are summarized. These analyses focus on absences of 21 or more consecutive days occurring among workers aged 16-69 years. They are arranged into six sets of tables: 1) the distribution of the labor force by occupational category and pay status; 2) the absences per person, diagnoses per absence, and diagnosis rates for the work force as a whole; 3) diagnosis rates by type of disease or injury; 4) diagnosis rates by occupational category; 5) relative risk for specific types of diseases or injury by occupational category; and 6) deaths occurring among active workers. All rates presented in this report are age-adjusted and represent the number of diagnoses reported per 1,000 persons in 1 year. For the Brookhaven National Laboratory (BNL), the 1992 morbidity data are summarized and compared with morbidity data from 1990 (first full year in which BNL participated in the surveillance system) and 1991. These analyses focus on absences of 21 or more consecutive days occurring among workers aged 16-69 years. A summary of deaths is given separately. Beginning in 1993, absences of 5 consecutive work days or more are reportable. These will be covered in 1993 quarterly and annual reports.

KEYWORDS: EPIDEMIOLOGIC SURVEILLANCE, WORKERS, ABSENCES, DISEASES, INJURIES, OCCUPATIONS, MORBIDITY DATA, MENTAL DISORDERS
CROSSINDEX:

PROVENANCE:

LOCATIONS: Savannah River Site, Aiken, SC; Hanford Site, Richland, WA; Brookhaven National Laboratory, Brookhaven, NY

ACCESSION NUMBER: 0146

DOCUMENT TYPE: RT

TITLE: Epidemiologic Surveillance - Annual Reports for 1993

ORIG. DOC. NO.:

DOCUMENT DATE: 930000

ORIGINATING AGENCY: Epidemiologic Surveillance Data Center

PAGES: 0108

REEL: FRAME:

AUTHORS: Epidemiologic Surveillance Data Center with the Oak Ridge Institute for Science and Education, Department of Energy Office of Epidemiologic Studies

ABSTRACT: Annual epidemiologic surveillance reports for the Hanford Site, Brookhaven National Laboratory, Sandia National Laboratories, EG&G Rocky Flats, Fernald Environmental Management Project, and Idaho National Engineering Laboratory. All are arranged in five sets of tables that present: 1) the distribution of the labor force by occupational category and pay status; 2) the absences per person, diagnoses per absence, and diagnosis rates for the whole work force; 3) diagnosis rates by type of disease or injury; 4) diagnosis rates by occupational category; and 5) relative risks for specific types of disease or injury by occupational category.

KEYWORDS: EPIDEMIOLOGIC SURVEILLANCE, WORKERS, ABSENCES, DISEASES, INJURIES, OCCUPATIONS, MORBIDITY DATA, MENTAL DISORDERS, PREGNANCY

CROSSINDEX:

PROVENANCE:

LOCATIONS: Hanford Site, Richland, WA; Brookhaven National Laboratory, Brookhaven, NY; Sandia National Laboratories, Albuquerque, NM; EG&G Rocky Flats

Environmenal Technology Site, Jefferson County, CO; Fernald Environmental Management Project, Fernald, OH; Idaho National Engineering Laboratory, Idaho Falls, ID

ACCESSION NUMBER: 0147

DOCUMENT TYPE: RT

TITLE: Epidemiologic Surveillance - Annual Reports for 1994

ORIG. DOC. NO.:

DOCUMENT DATE: 940000

ORIGINATING AGENCY: Epidemiologic Surveillance Data Center

PAGES: 0096

REEL: **FRAME:**

AUTHORS: Epidemiologic Surveillance Data Center with the Oak Ridge Institute for Science and Education, Department of Energy Office of Epidemiologic Studies

ABSTRACT: Annual epidemiologic reports for Pantex Plant, Idaho National Engineering Laboratory, Fernald Environmental Management Project, and Sandia National Laboratories. All are arranged in five sets of tables that present: 1) the distribution of the labor force by occupational category and pay status; 2) the absences per person, diagnoses per absence, and diagnosis rates for the whole work force; 3) diagnosis rates by type of disease or injury; 4) diagnosis rates by occupational category; and 5) relative risks for specific types of disease or injury by occupational category.

KEYWORDS: EPIDEMIOLOGIC SURVEILLANCE, WORKERS, ABSENCES, DISEASES, INJURIES, OCCUPATIONS, MORBIDITY DATA, MENTAL DISORDERS, PREGNANCY, OSHA, POISONING

CROSSINDEX:

PROVENANCE:

LOCATIONS:

ACCESSION NUMBER: 0148

DOCUMENT TYPE: RT

TITLE: Task 6: Radiation Doses and Risk to Residents from Feed Materials Production Center Operations from 1951 - 1988, The Fernald Dosimetry Reconstruction Project

ORIG. DOC. NO.:

DOCUMENT DATE: 960800

ORIGINATING AGENCY: Centers for Disease Control and Prevention

PAGES: 0479

REEL: **FRAME:**

AUTHORS: Radiological Assessments Corporation

ABSTRACT: Volume I, II Appendices, and Summary. The Feed Materials Production Center (FMPC), a 1000-acre site located about 25 km northwest of Cincinnati, Ohio, processed uranium concentrates and uranium compounds recycled from other stages of nuclear weapons production, as well as some uranium ore and thorium. Particulate releases were primarily uranium (natural, depleted, and slightly enriched). In addition, two large silos, containing radium-bearing residues from uranium extraction, were emission sources of radon and its decay products. The Fernald Dosimetry Reconstruction Project was undertaken to help the Centers for Disease Control and Prevention to evaluate the doses and health impacts on the public from

radionuclides released from the FMPC to the environment from 1951 through 1988.

KEYWORDS: RADIONUCLIDES, URANIUM, RADON, THORIUM, RADIATION, EMISSIONS, HEALTH RISKS, ENVIRONMENTAL EFFECTS, ATMOSPHERE, WATER, SOIL, DOSES, CANCER, TOXICITY

CROSSINDEX:

PROVENANCE:

LOCATIONS: Feed Materials Production Center, Fernald, OH

ACCESSION NUMBER: 0149

DOCUMENT TYPE: RT

TITLE: Mortality of Workers at a Nuclear Materials Production Plant at Oak Ridge, Tennessee, 1947 - 1990

ORIG. DOC. NO.:

DOCUMENT DATE: 940310

ORIGINATING AGENCY:

PAGES: 0011

REEL: FRAME:

AUTHORS: Loomis D P, Wolf S H

ABSTRACT: The Y-12 plant at Oak Ridge, Tennessee, produces nuclear materials for the U.S. government's nuclear weapons program beginning in 1943. Workers at Y-12 were exposed to low dose, internal, alpha radiation and external, penetrating radiation, as well as to beryllium, mercury, solvents, and other industrial agents. This paper presents updated results from a long-term mortality study of workers at Y-12 between 1947 and 1974, with follow-up of white men through 1990 and data reported for the first time for women and men of other races. Vital status was determined through searched of the National Death Index and other records, and the workers' mortality was compared to the national population's using standardized mortality ratios (SMRs). Total mortality was low for all Y-12 workers and total cancer mortality was as expected.

Among the 6591 white men, there were 20% more lung cancer deaths than expected. Death rates from brain cancer and several lymphopoietic system cancers were also elevated among white men, with SMRs of 1.28 and 1.46. Mortality from cancer of the pancreas, prostate, and kidney was similarly elevated. There was evidence of excess breast cancer among the 1073 female workers (SMR 1.21). Lung Cancer mortality among these workers warrants continued surveillance because of the link between internal alpha radiation exposure and this disease, but other agents, notably beryllium, also merit consideration as potential causes of lung cancer. Other cancers and agents should also be investigated as part of a comprehensive study of the health consequences of the production of nuclear weapons.

KEYWORDS: EPIDEMIOLOGY, CANCER, NUCLEAR MATERIALS, WORKERS, OCCUPATIONAL HEALTH, IONIZING RADIATION, BERYLLIUM

CROSSINDEX:

PROVENANCE:

LOCATIONS: Oak Ridge Y-12 Plant, Oak Ridge, TN

ACCESSION NUMBER: 0150

DOCUMENT TYPE: RT

TITLE: Nevada Test Site Alternative Use Feasibility Study - Report to Congress

ORIG. DOC. NO.:

DOCUMENT DATE: 950224

ORIGINATING AGENCY: Department of Energy

PAGES: 0064

REEL: FRAME:

AUTHORS: Department of Energy Nevada Operations Office

ABSTRACT: The Secretary of Energy has been directed to submit a report (Section 3153 of the Fiscal Year 1995 National Defense Authorization Act) to Congress no later than April 1, 1995, on the feasibility of conducting various defense-related activities other than nuclear testing, as well as other activities that would help to maintain nuclear weapons testing readiness or provide "dual-benefit" technologies, at the Nevada Test Site (NTS). Six specific activities were to be considered: 1) demilitarization of large rocket motors; 2) disarmament and demilitarization of conventional weapons, 3) experiments that assist in monitoring treaty compliance, 4) development of simulator technologies for nuclear weapons, 5) support of the Stockpile Stewardship Program, and 6) experiments related to the nonproliferation of nuclear weapons.

KEYWORDS: NEVADA TEST SITE, ALTERNATIVE USES, HYDRODYNAMIC, HYDRONUCLEAR EXPERIMENTS, DEMILITARIZATION, DISARMAMENT, NUCLEAR WEAPONS, STOCKPILE STEWARDSHIP, NONPROLIFERATION, TRITIUM, ENVIRONMENTAL EFFECTS, SAFEGUARDS, HEALTH RISKS, NUCLEAR MATERIALS, STORAGE, DISPOSITION, AIR, WATER, LAND RESOURCES, RADIOACTIVE WASTE, ENDANGERED SPECIES, SEISMOLOGY
CROSSINDEX:

PROVENANCE:

LOCATIONS: Nevada Test Site, Nye County, NV; Tonopah Test Range, NV; Nellis Air Force Range, NV